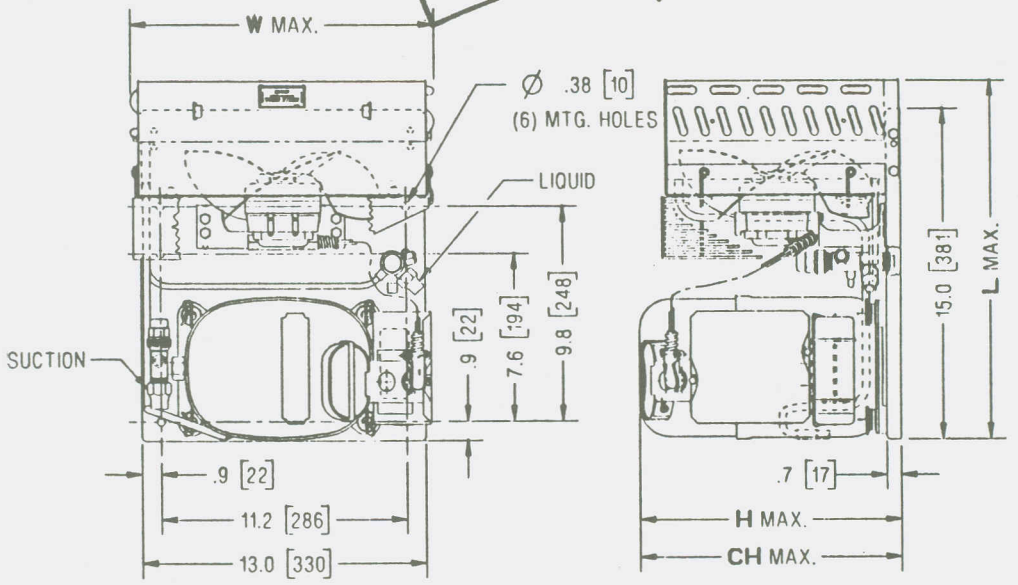
TECUMSEH HERMETIC CONDENSING UNITS

MODEL AJ2424JD **R-502** CFC-502 **1/2 HP** **AIR COOLED**



NOTE!
DIMENSIONING = INCHES [MILLIMETERS]

Model	Dimensions				*Line Connections		Pumpdown 90°F 90% Full	Air CFM	Oil Chg oz.	Gross Wt. Lbs.
	L	W	H	CH	Suction	Liquid				
AJ2424JD	16.4	14.0	11.6	11.6	1/2 F	3/8 F	----	340	26	75

*F=Flare, S=Solder, RF or RS = Rotolock Valve with Flare or Solder Connections

Factory Charge: 20 psig nitrogen - **MUST BE EVACUATED**

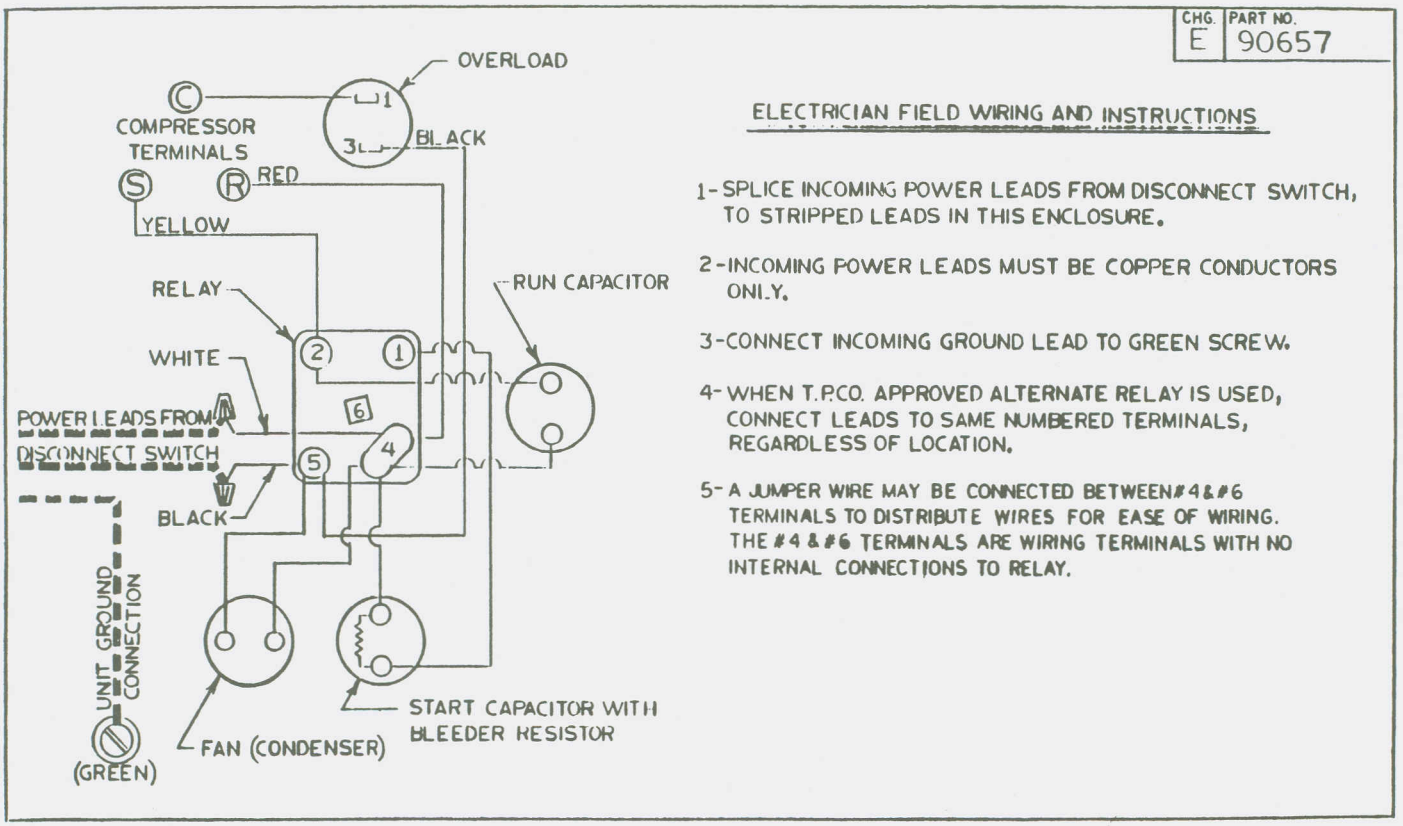
Approved Evap. Range		Ambient								
		90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-40	4.1	860	410	210	740	390	230	610	380	255
-35	6.5	1080	440	210	920	430	235	790	420	265
-30	9.2	1290	480	220	1120	470	245	960	460	270
-25	12.1	1510	520	225	1320	510	250	1130	500	280
-20	15.3	1740	570	230	1530	560	260	1320	550	285
-15	18.8	2000	620	240	1750	610	265	1510	600	295
-10	22.6	2260	670	250	2000	660	275	1730	650	305
- 5	26.6	2530	720	260	2250	720	285	1970	710	315
0	31.1	2860	780	270	2530	770	300	2220	770	330
5	35.8	3210	830	280	2850	830	310	2510	830	340
10	41.0	3610	890	290	3220	890	320	2830	890	350

Based on 40°F return gas and 5°F subcooling.

Model AJ2424JD

SPECIFICATIONS

Nominal Voltage	115-60-1
Unit B/M	2C216-1
Voltage Range	126.5 to 103.5
Min. Circuit Ampacity	8.9
Max. Fuse Size (Amps)	15
Compressor Model	AJ2424J
Bill of Material	AJ302BT-336-P2
RLA/LRA	6.7/68.0
Integral Relay Box	AE1170-3A
Overload	8300CRBL11
Relay	820ARR3B92
Relay Alternate	8200128G83
Cap. Start	855S110C09
Rating	270-324/110
Cap. Run	85PR370E36
Rating	15/370
Fan Motor	810G009B24
Alternate	810M009B23
Fan Blade	51551
Fan Guard	70785-2
Condenser	50803-1
Condenser Shroud	70766-1
Unit Drawing	SU1893-35
Schematic or Elect. Dwg.	90657


CHG. E
PART NO. 90657
OVERLOAD
COMPRESSOR TERMINALS
C
S
R
RED
YELLOW
BLACK
RELAY
WHITE
POWER LEADS FROM DISCONNECT SWITCH
RUN CAPACITOR
BLACK
UNIT GROUND CONNECTION
(GREEN)
FAN (CONDENSER)
START CAPACITOR WITH BLEEDER RESISTOR
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1- SPLICE INCOMING POWER LEADS FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2- INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY.
3- CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4- WHEN T.P.C.O. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5- A JUMPER WIRE MAY BE CONNECTED BETWEEN #4 & #6 TERMINALS TO DISTRIBUTE WIRES FOR EASE OF WIRING. THE #4 & #6 TERMINALS ARE WIRING TERMINALS WITH NO INTERNAL CONNECTIONS TO RELAY.

U.L. Recognized ---------- File #SA2372 -------- Card Guide #SGYU
CSA Certified ---------- Canadian File #12964C -------- USA File #8873C